

Jerald L. Schnoor, Ph.D.

Title Allen S. Henry Chair, Professor of Civil & Environmental Engineering;
Co-Director, Center for Global and Regional Environmental Research;
Professor of Public Health, Dept. Occupational and Environmental Health
The University of Iowa

Education

Iowa State University	B.S.	1972	Chemical Engineering
University of Texas	M.S.	1974	Environmental Health Engineering
University of Texas	Ph.D.	1975	Civil (Environ.) Engineering
Manhattan College	Postdoc	1976	NSF-Environmental Modeling
Swiss Fed. Inst. Tech.	Visit Prof	1988	Aquatic Chemistry

Professional Record in CEE Department (25 years of service)

July 1983 – present	Professor, Dept. Civil & Environmental Engineering, UI
July 1980- June 1983	Associate Professor
Jan. 1977- June 1980	Assistant Professor

Professional Service

Co-Editor, Environ. Science & Technol., Series Texts and Monographs, John Wiley, 1992-present. Associate Editor, *Environmental Science and Technology*, Am. Chem. Soc., 1991-2000.
Board of Scientific Counselors, U.S. EPA, ORD, 1996-2000 (member); 2000-present (chair).
Water Science and Technology Board, National Research Council, 2000-present.
Science Advisory Board, Executive Committee, U.S. EPA, 2000-present.
NRC Workshop on Upper Mississippi River, Co-Chair w/ Congressman Ron Kind, 2001.
Stanford University, Chair of the Visiting Committee in CEE, 2001.
Advisory Boards, Johns Hopkins University and Indiana University, 1999-present.
Water Environment Federation, Research Council, 1997-2000.
Association Environmental Engineering and Science Professors, Secretary, 1996-1998.
Chair of Panel, Review of EPA's Arsenic in Drinking Water Research Plan, 1997.
NRC/NAS Watershed Management Panel for NYC, (member), 1997-1999.
Science Advisory Board, EPA South/Southwest HSRC, 1996-2000.
Merit Awards, American Chemical Society, Environmental Division, 1981 and 1992.
Best Paper Award, ASTM Aquatic Toxicology, 1980.

University of Iowa Service (selected from last 5 years)

President's Committee on Strategic Implementation, 1994-present
CEE Department, Chair of Promotion and Tenure Committee (AFG), 1997-98
UI Foundation, College of Engineering Development Board, 1997-present
College of Engineering Building Fund Committee, (Faculty Chair), 1996-98

Professional Licensure

P.E. Active, Cert. No. 9702, Iowa; DEE, Board Certified Specialist

Professional Societies

ASCE, WEF, AIChE, AWWA, AEESP, SETAC, AAAS

Research Interests

Water Quality Modeling, Phytoremediation, Greenhouse Gases and Sustainable Development

Consulting Experience

Congressional Testimony; EPA Consultant; Unocal, Alcoa, Shell, Expert Witness, others

Honors and Awards

National Academy of Engineering, 1999-present
Hancher Finkbine Medallion, 2000
Sigma Xi Distinguished Lecturer, 1999-2000
Henske Distinguished Lecturer, Yale University, 2000
Feng Distinguished Lecturer, U. Massachusetts, 2000
Rudolph Hering Medal, Am. Society of Civil Engineers, 1998
Association Environmental Engineering Professors, Distinguished Lecturer Award, 1998
Montgomery-Watson Best M.S. Thesis/Advisor Award (w/ Eric Aitchison), AEPP, 1998
Distinguished Fellow Award, Iowa Academy of Science (highest honor), 1996
Presidential Lecturer, University of Iowa, 1996
Professional Achievement Citation in Engineering, Iowa State University, 1996
Iowa Regent's Award for Faculty Excellence, 1992
Best Paper Awards, EPA Region 7/8 HSRC, 1991 and 1995
Diplomate, American Academy of Environmental Engineers, 1990-present
Jimmy Quon Memorial Lecture, Northwestern University, 1992
Who's Who in America, 44th Edition, 1986-present
Walter L. Huber Research Prize, American Society of Civil Engineers, 1985
University of Iowa Faculty Scholar, 1980-83

Selected Publications (Ed./Author of 5 books, co-author of >100 journal articles)

Schnoor, J.L., "Fate and Transport of Dieldrin in Coralville Reservoir", *Science*, Vol. 211, 1981, pp. 840-842.

Schnoor, J.L. and McAvoy, D.C., "A Pesticide Transport and Bioconcentration Model", *Journal Env. Engr. Div.*, ASCE, 107, 1981, pp. 1229-1246.

Schnoor, J.L., Ed., *Modeling Total Acid Precipitation Impacts*, Butterworth Publisher, Boston, 1984, 222 pp.

Schnoor, J.L. and Stumm, W., "Acidification of Aquatic and Terrestrial Systems", In: *Chemical Processes in Lakes*, W. Stumm, Ed., Wiley Interscience, New York, 1985, pp. 311-338.

Schnoor, J.L., Ed., *Fate of Pesticides and Chemicals in the Environment*, Wiley Interscience, New York, Environmental Science and Technology Series, 1992, 436 pp.

Schnoor, J.L., "The Rio Earth Summit -- What Does it Mean?", *Environ. Sci. Technol.*, 27(1), 1993, pp. 18-22.

Schnoor, J.L., *Environmental Modeling*, John Wiley and Sons, New York, 1996, 682 pp.

Burken, J.G. and Schnoor, J.L., "Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates", *J. Environmental Engineering*, ASCE, Vol. 122, No. 11, 1996, pp. 958-963.

Van Aken, B. and Schnoor, J.L., "Evidence of Perchlorate Reduction in Plant Tissues (Poplar Tree) Using Radio-Labeled $^{36}\text{ClO}_4^-$ ", *Environ. Sci. Technol.*, 2002, in press.